

Fig. 2

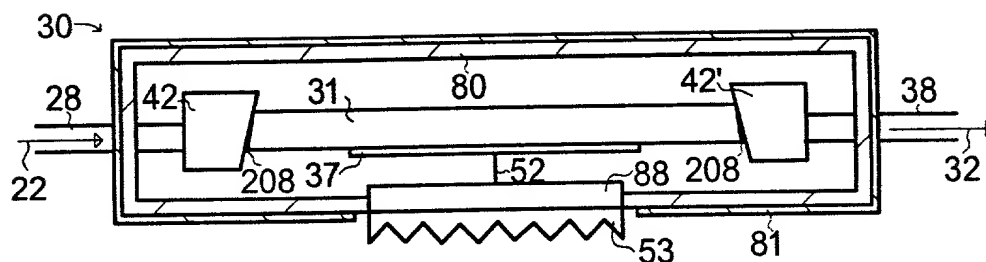


Fig. 3

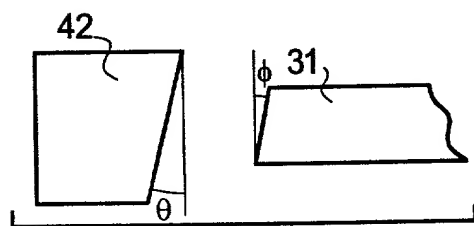


Fig. 4

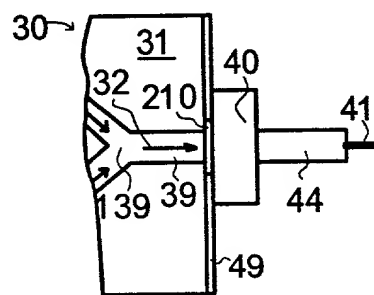


Fig. 5

Light Source <u>20</u>	Electro-Optic Modulator <u>30</u>	Photo-detector <u>40</u>
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Fig. 6

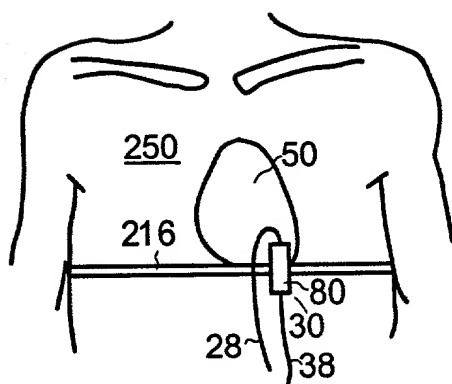


Fig. 7

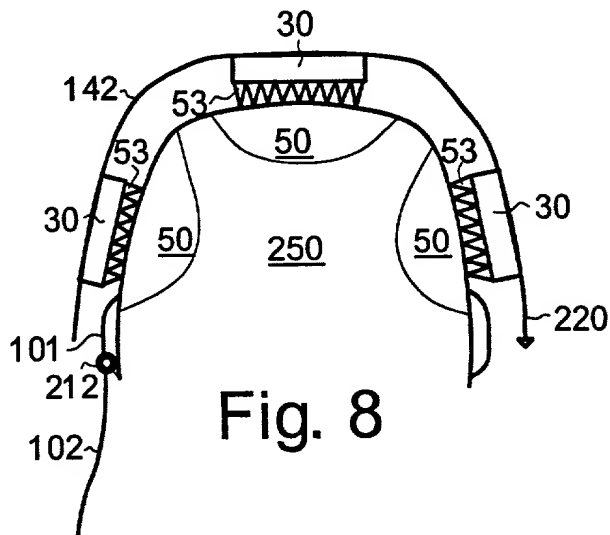


Fig. 8

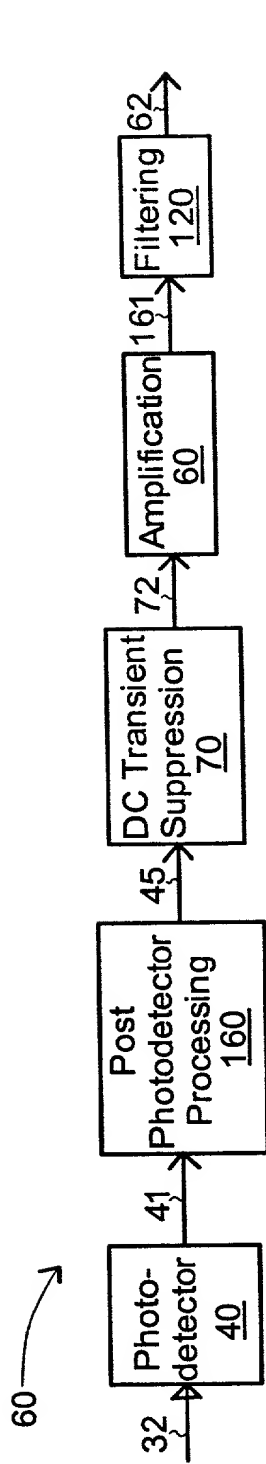


Fig. 9

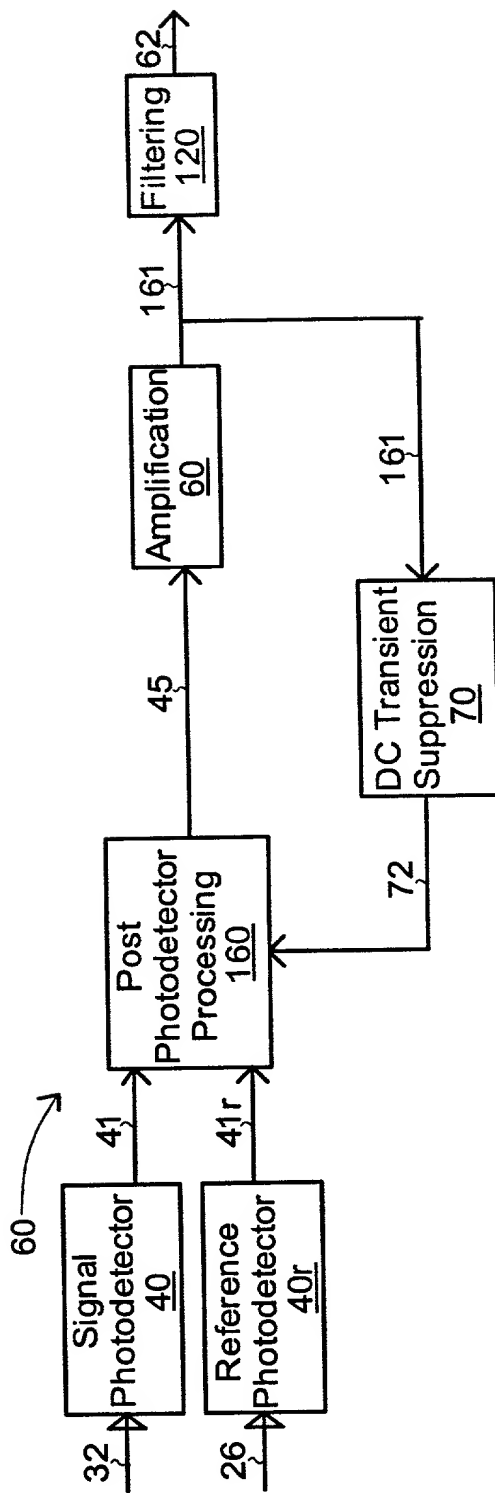


Fig. 11

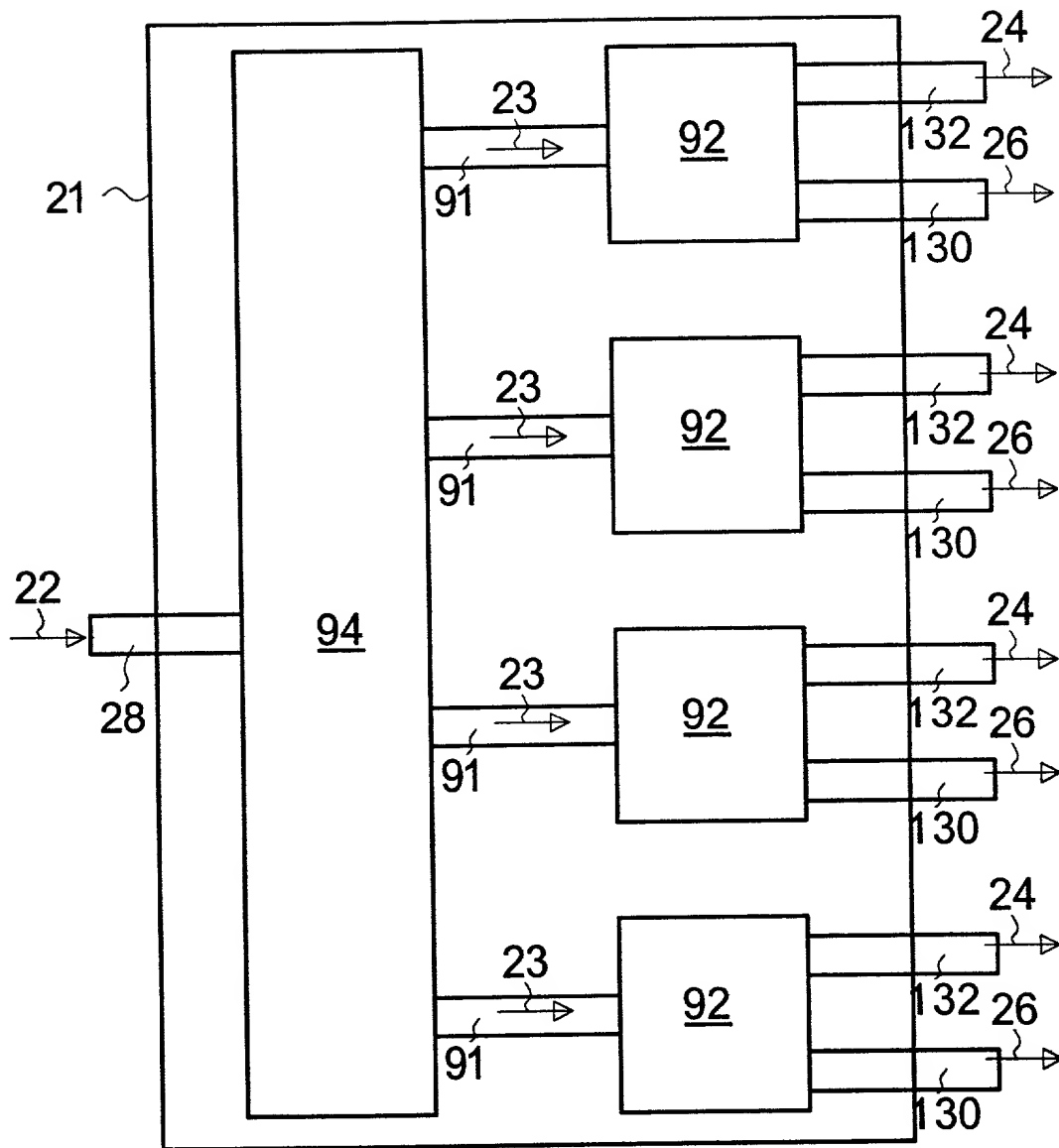
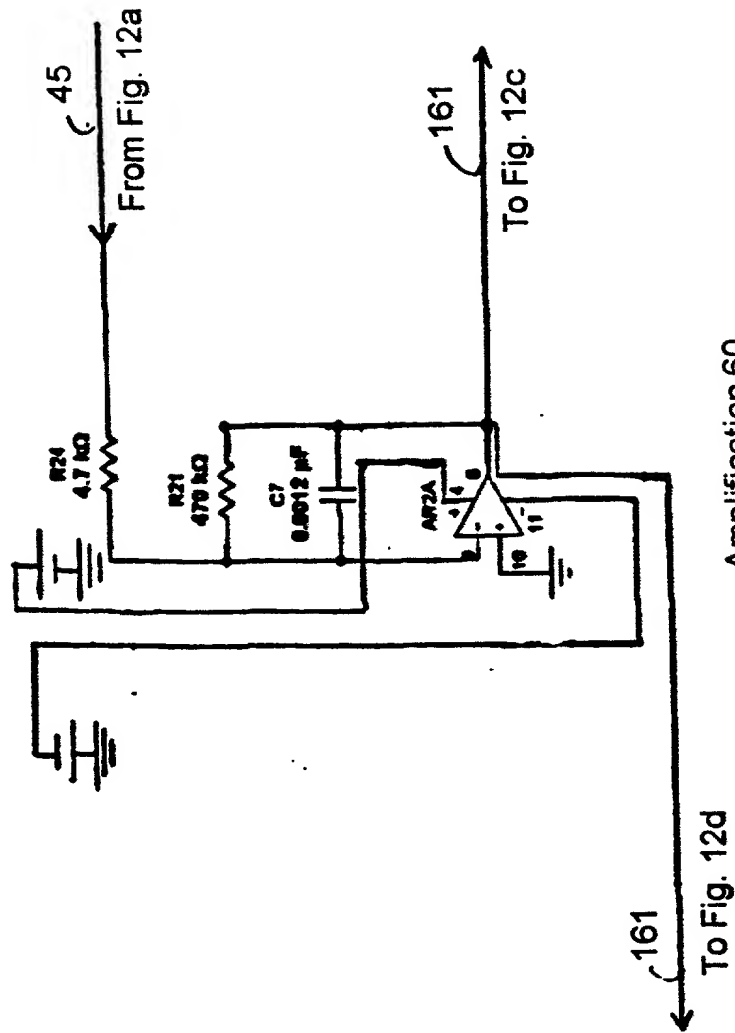


Fig. 10



Amplification 60

Fig. 12b

DC Transient Suppression 70

Fig. 12c

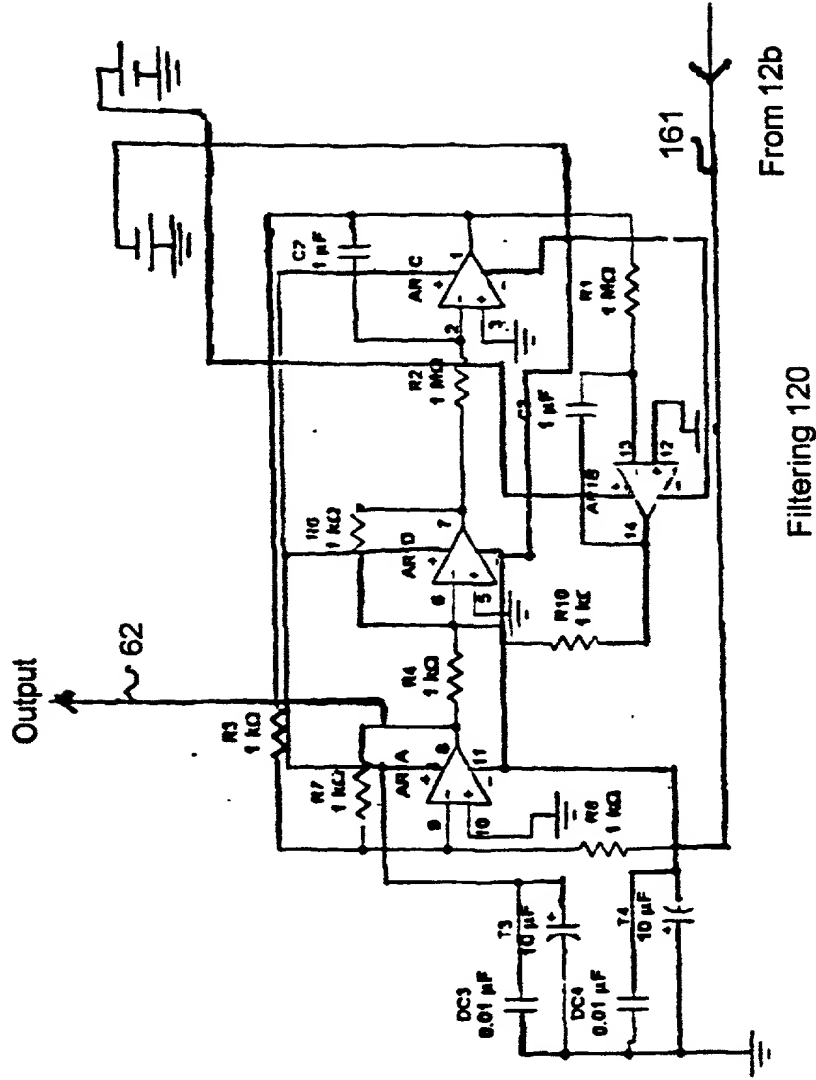


Fig. 12d

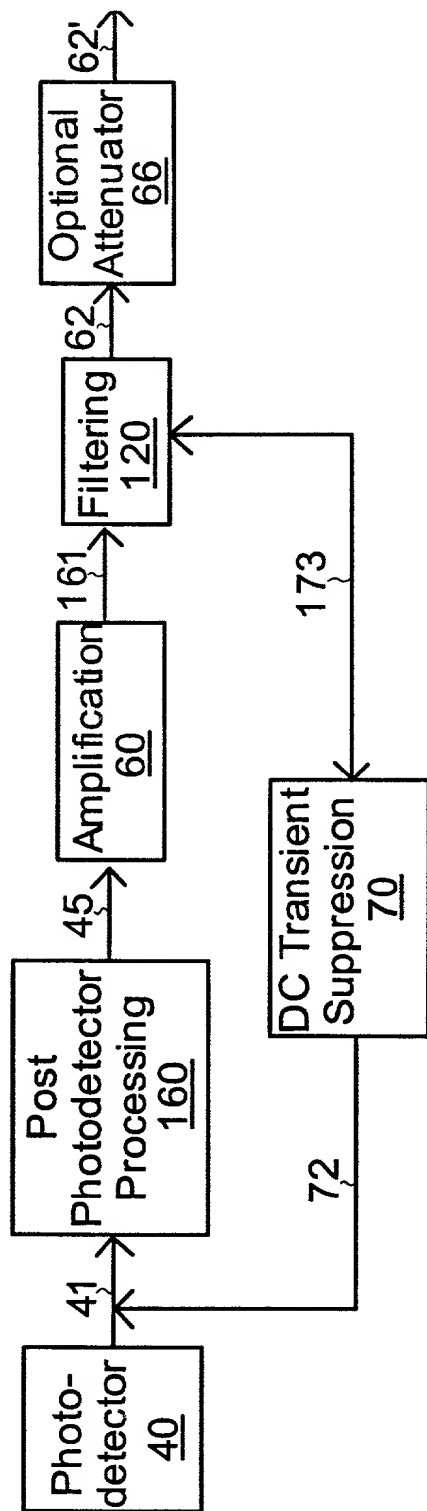


Fig. 13

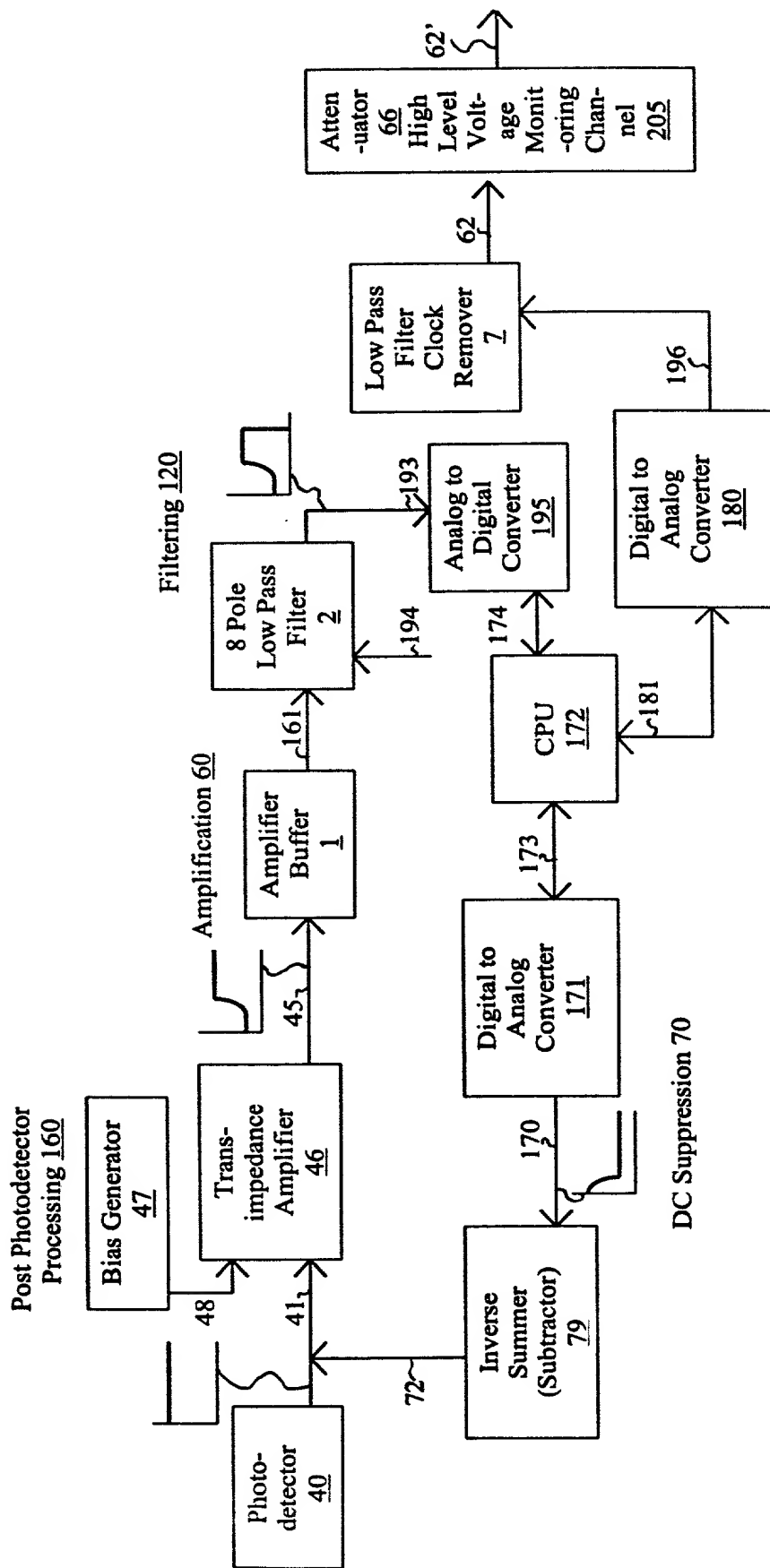


Fig. 14

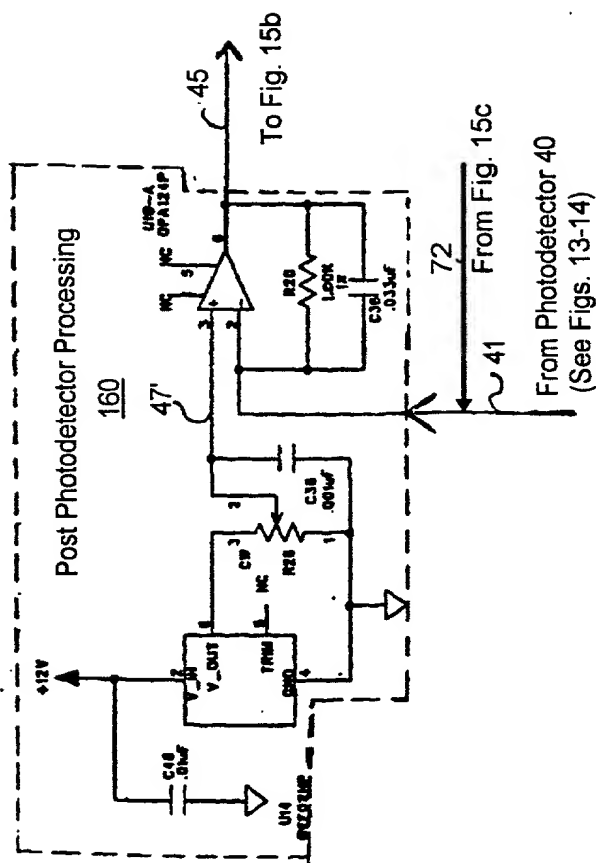


Fig. 15a

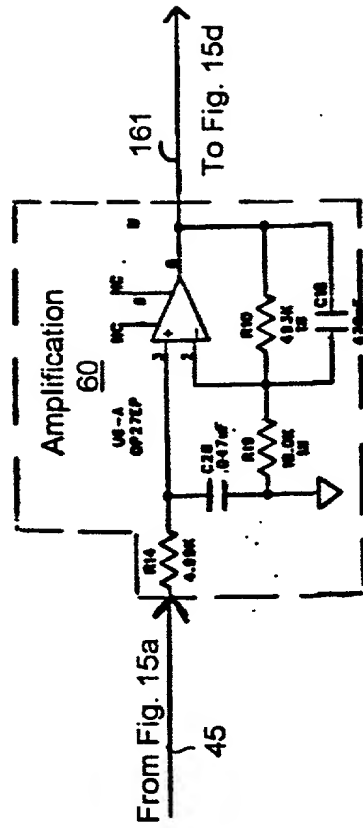


Fig. 15b

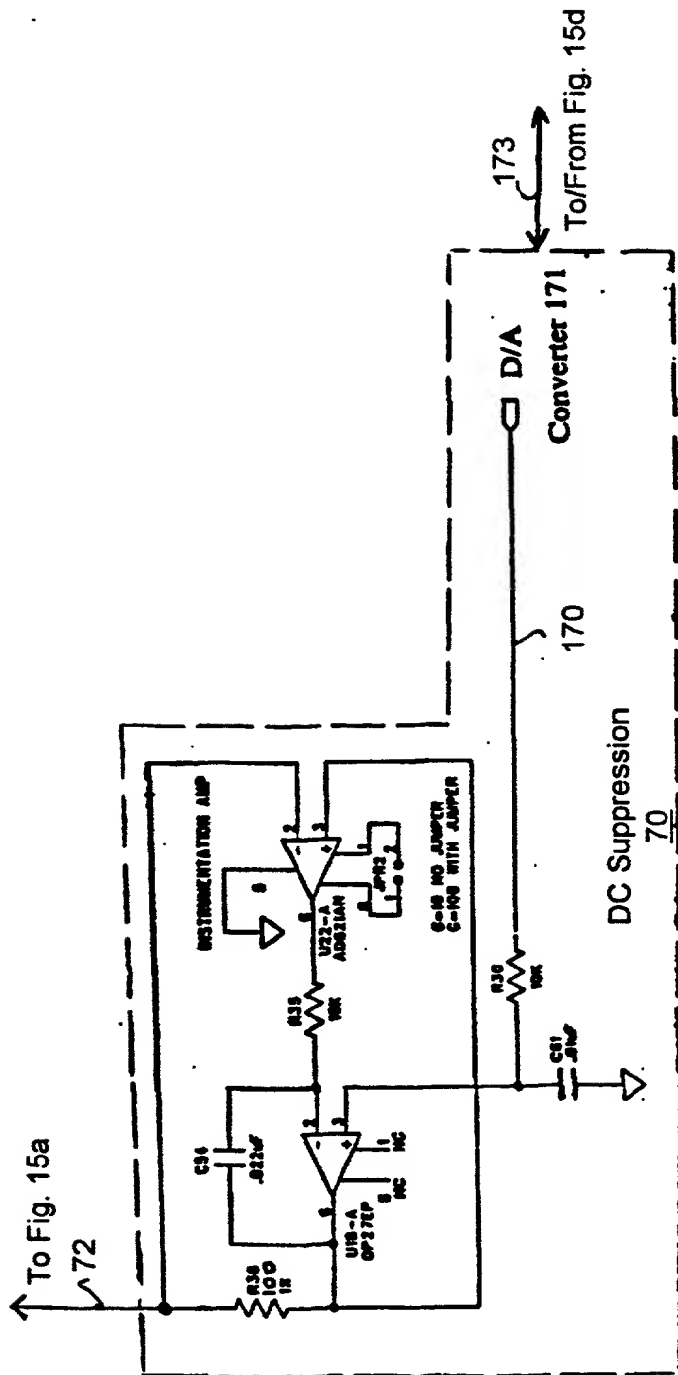
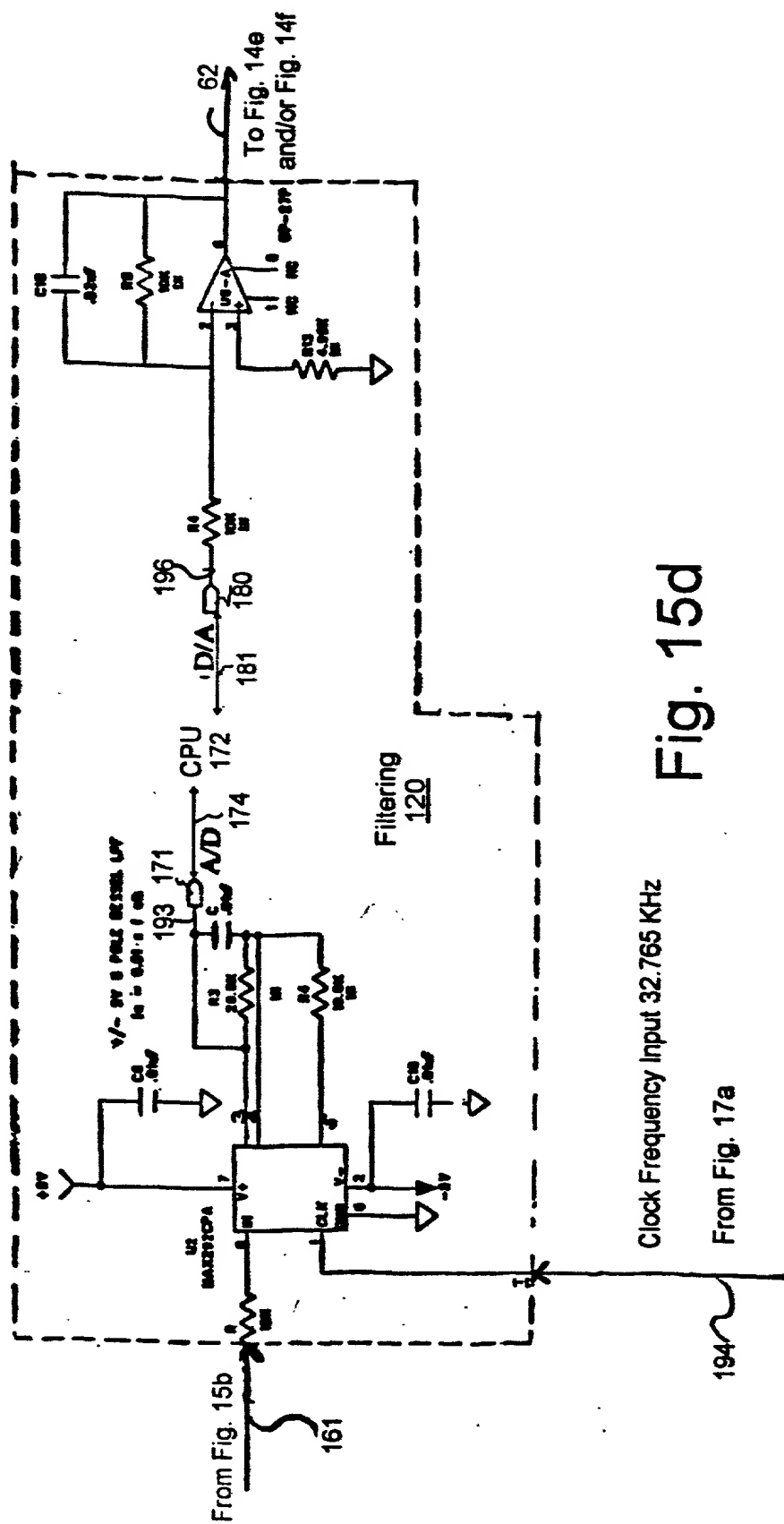


Fig. 15c



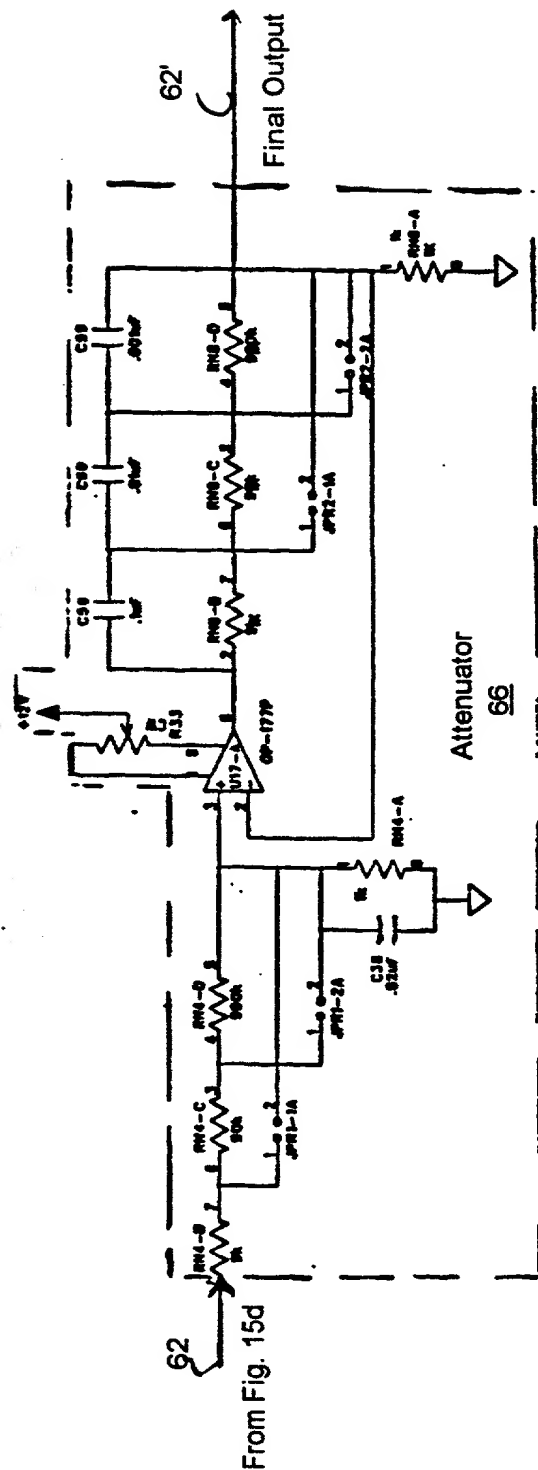


Fig. 15e

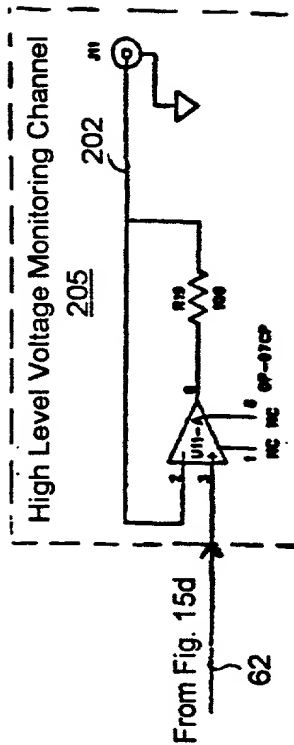


Fig. 15f

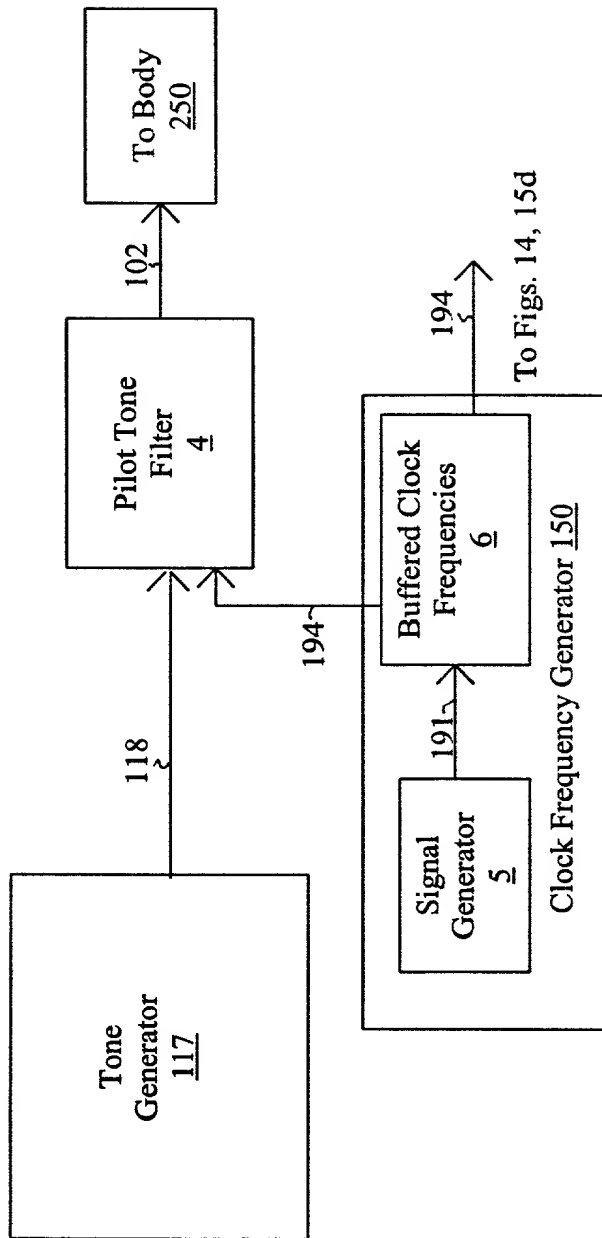


Fig. 16

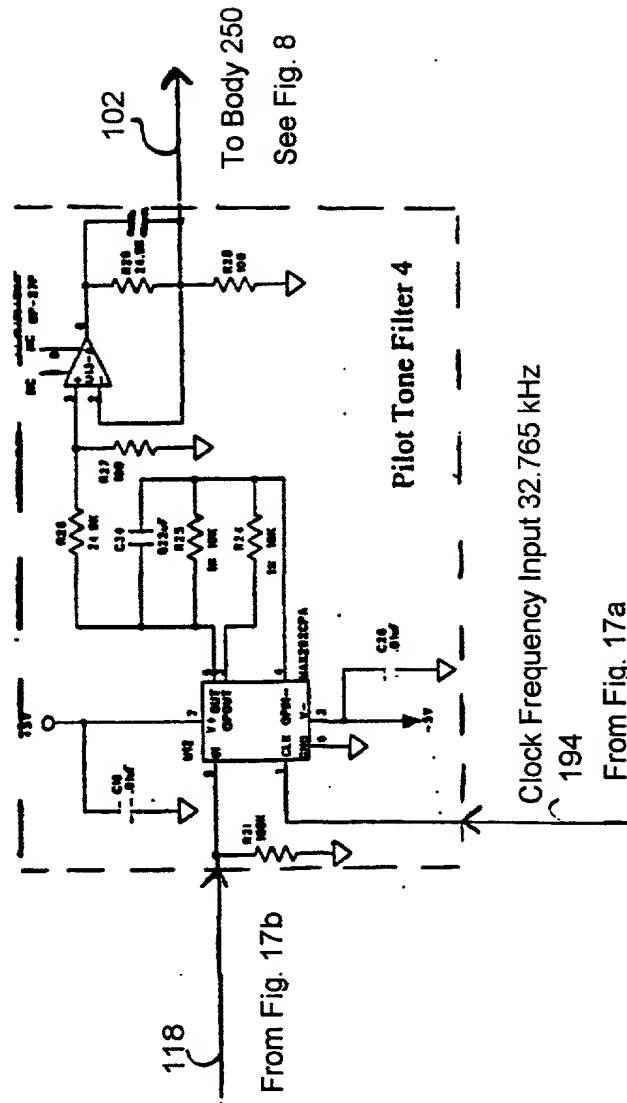


Fig. 17c

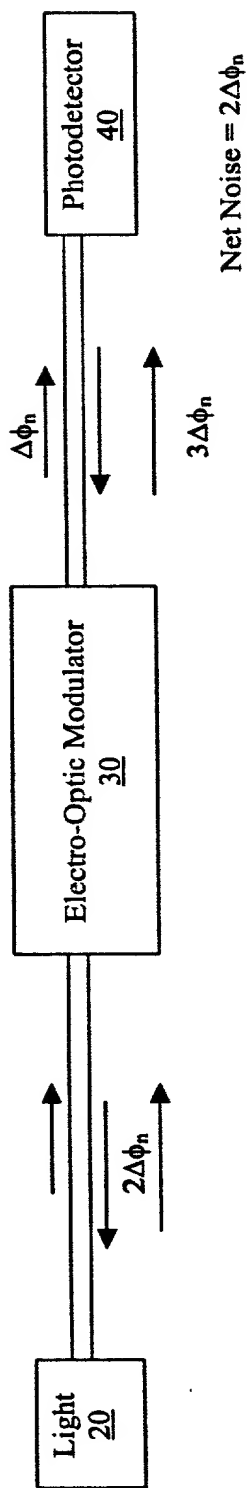


Fig. 18

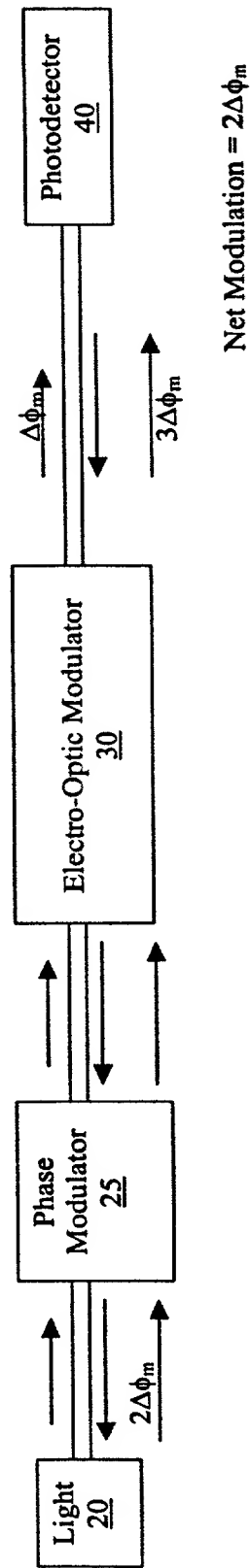


Fig. 22

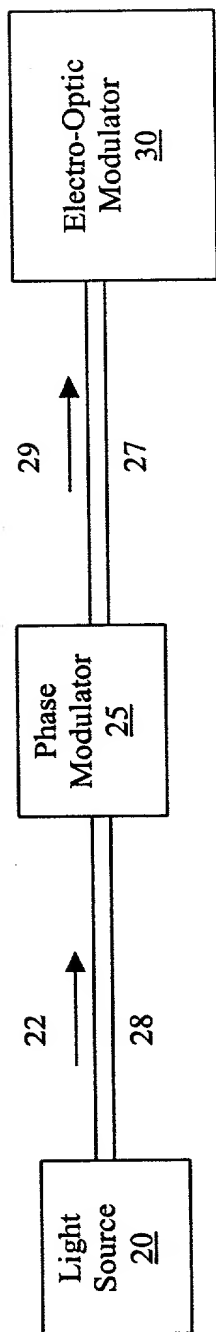


Fig. 19

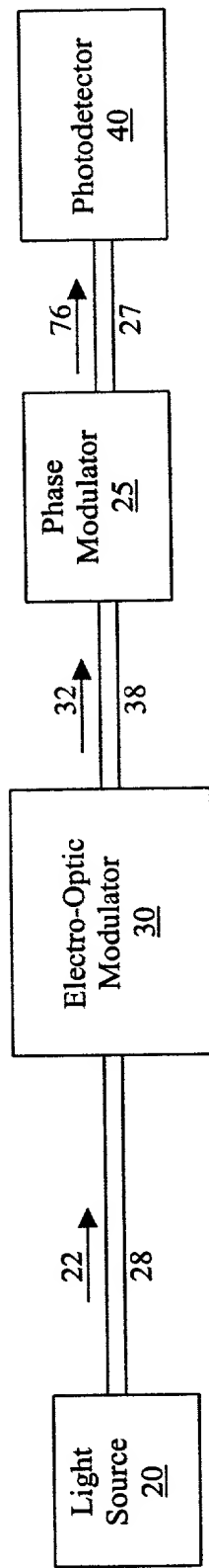


Fig. 20

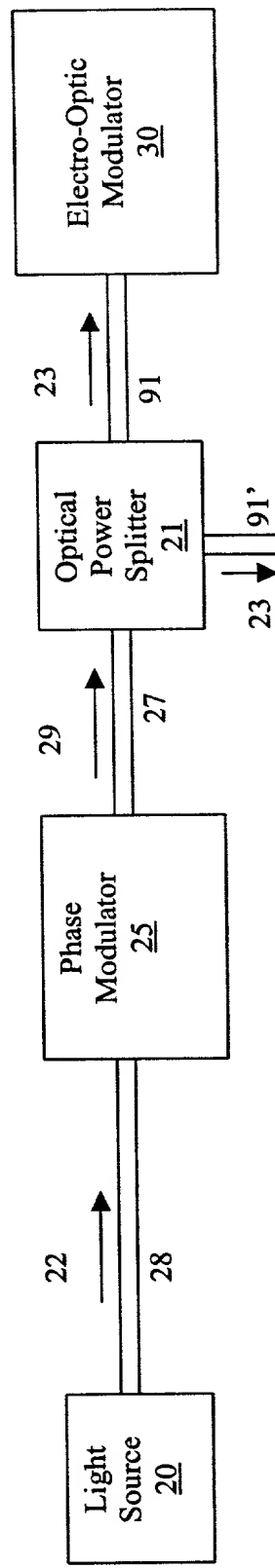


Fig. 21

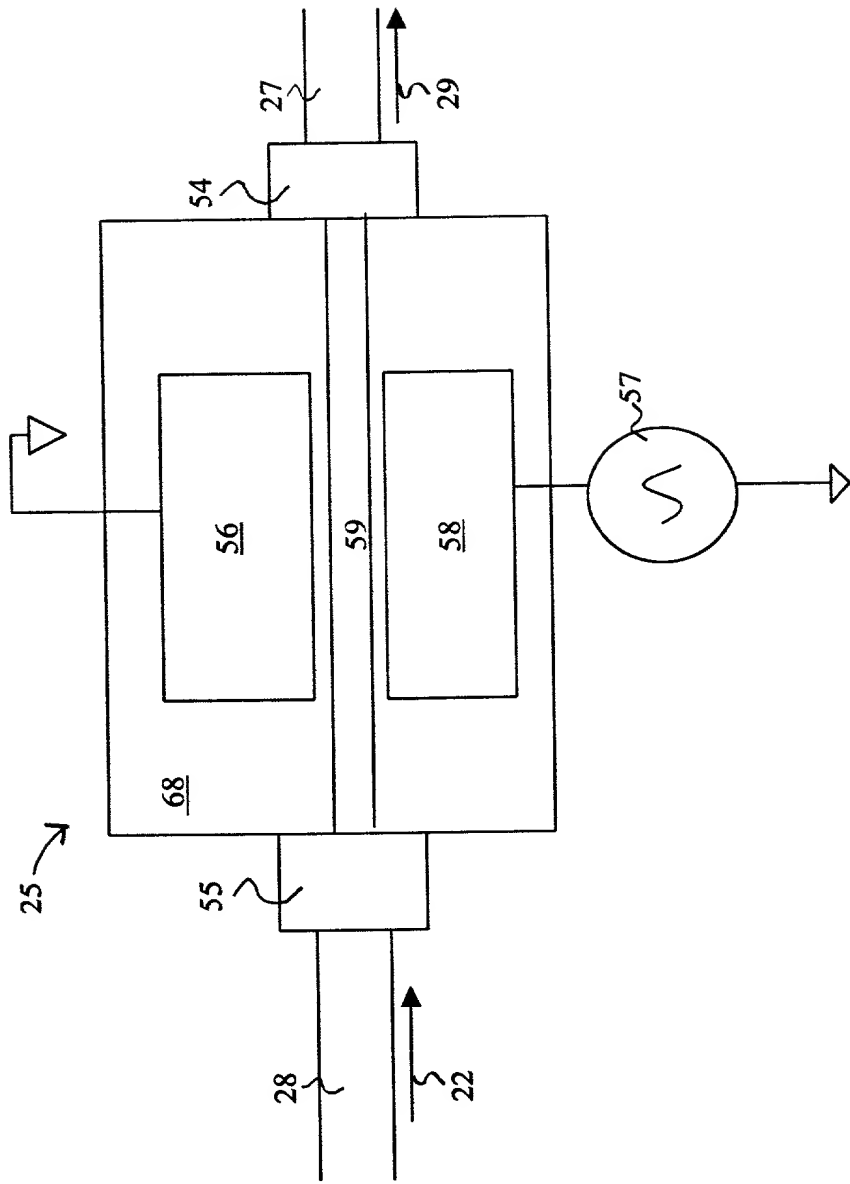
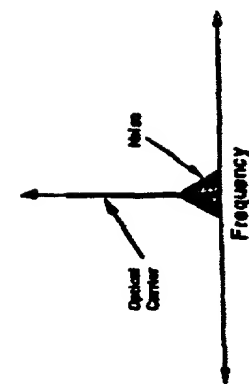
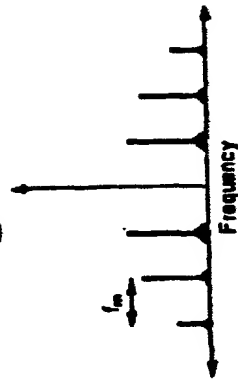


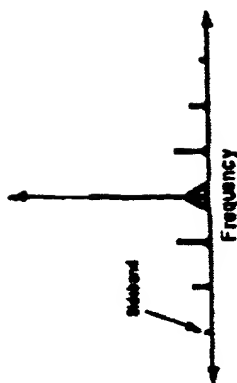
Fig. 23



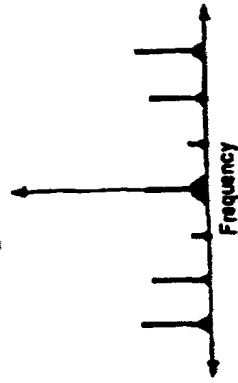
(a) Phase Modulation Index = 0 radians
Fig. 24(a)



(c) Phase Modulation Index = 2.405 radians
Fig. 24(c)



(b) Phase Modulation Index = 1.0 radians
Fig. 24(b)



(d) Phase Modulation Index = 4.0 radians
Fig. 24(d)

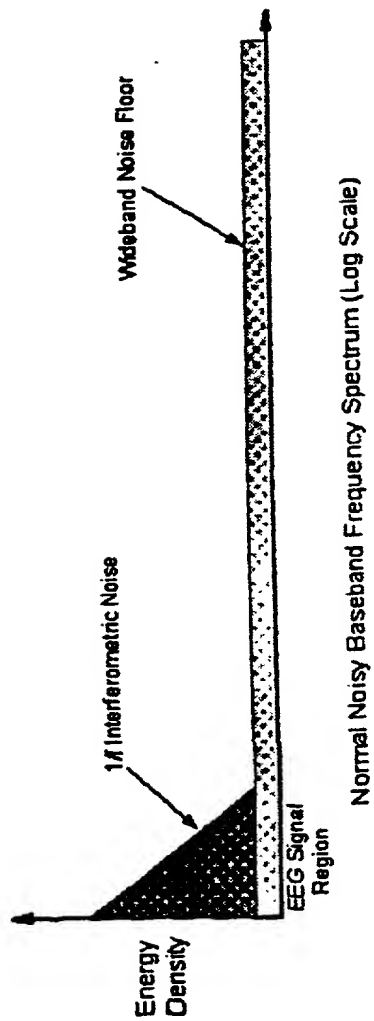


Fig. 25(a)

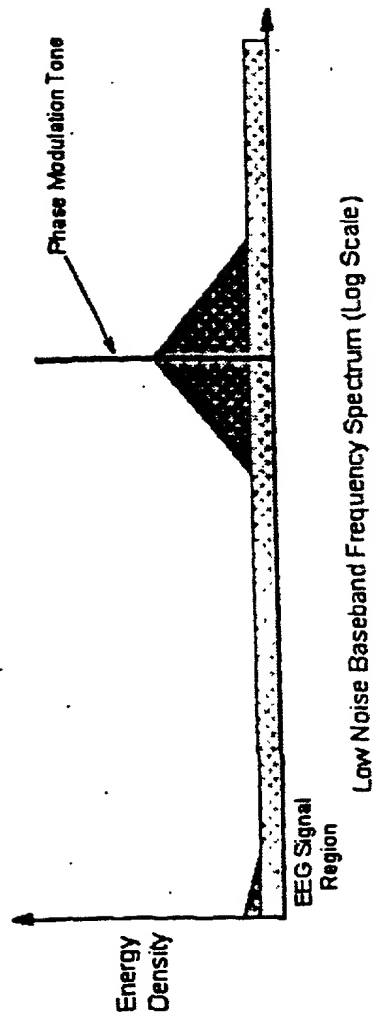
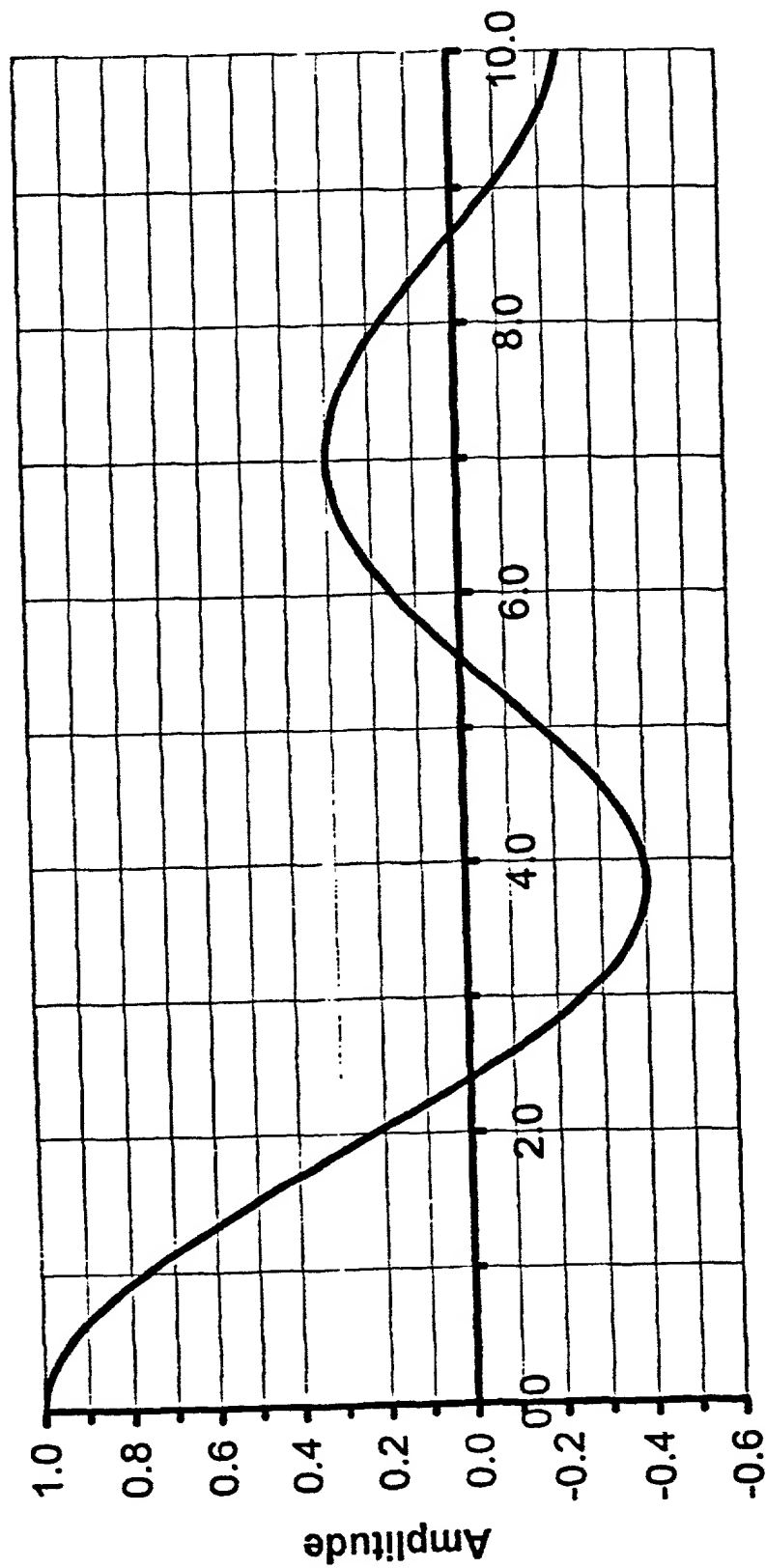


Fig. 25(b)

Bessel Function of Zero Order



Differential Phase Deviation, radians

Fig. 26

Noise Reduction Factor Versus $f_m\tau$ for External Phase Modulation

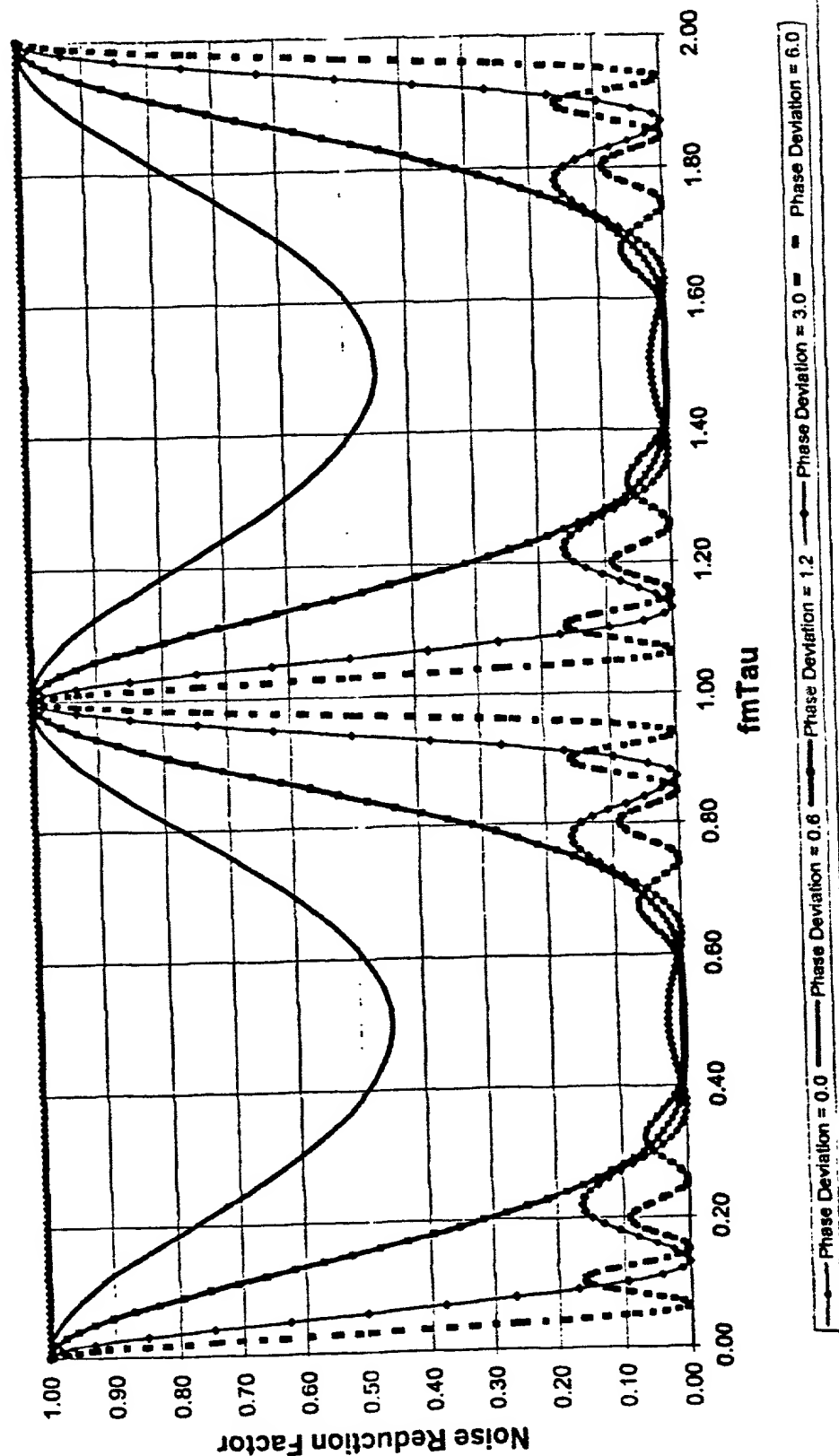


Fig. 27

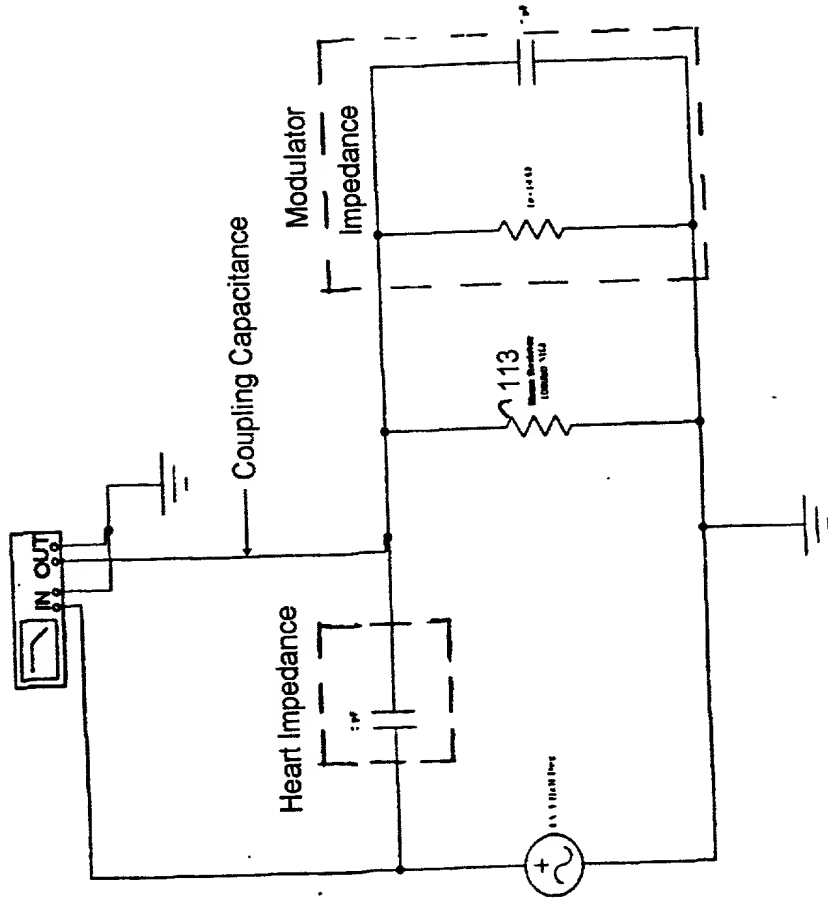


Fig. 28

FOUO-2078660

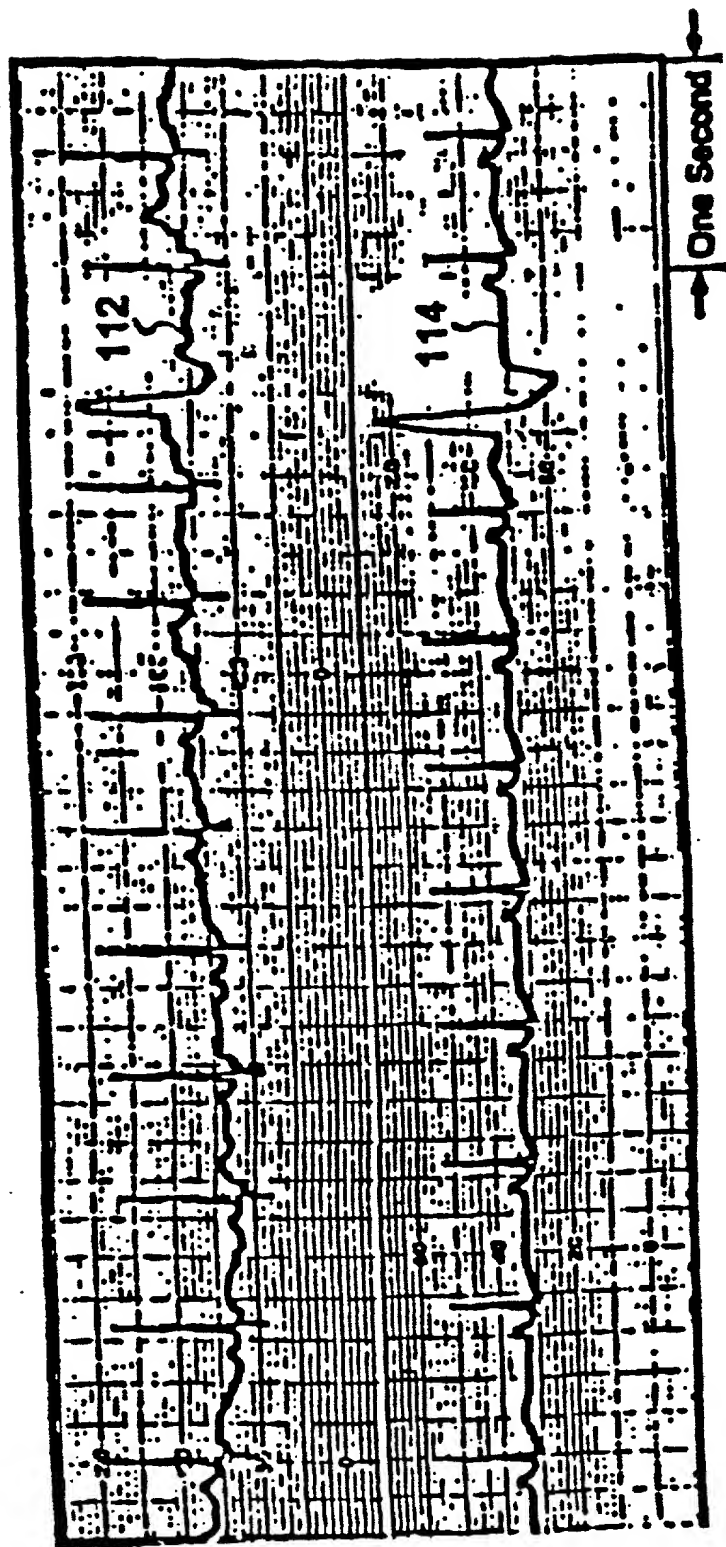
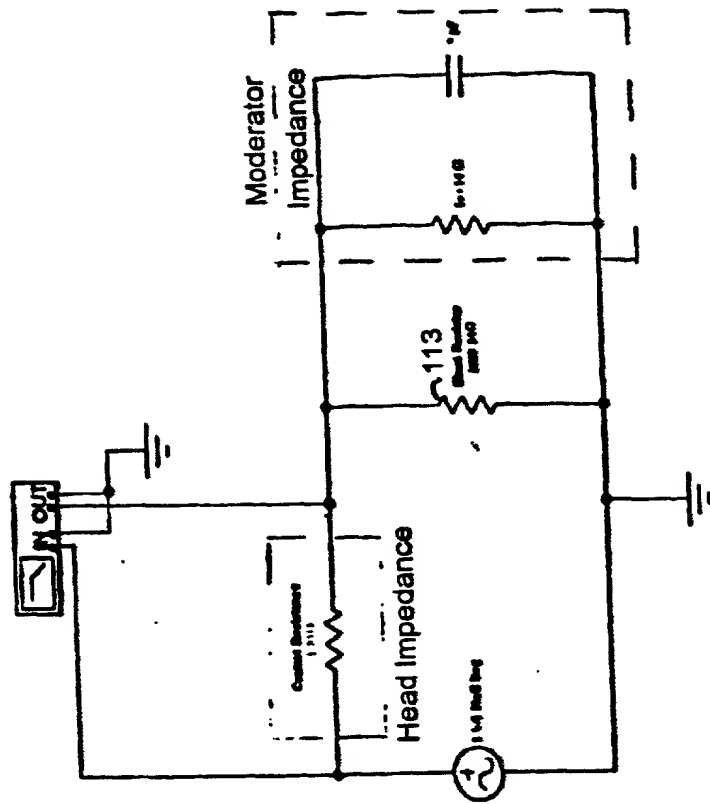
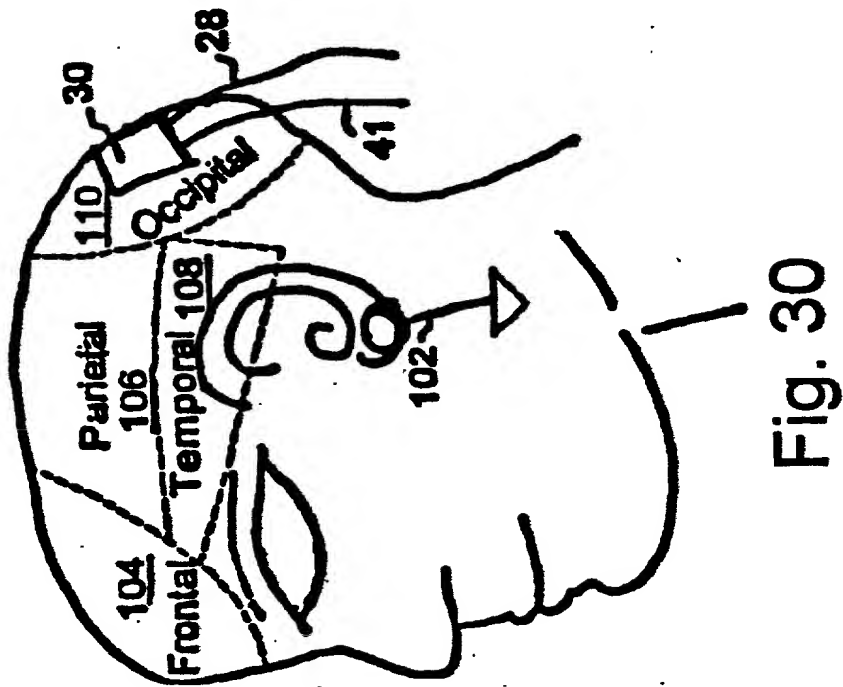


Fig. 29



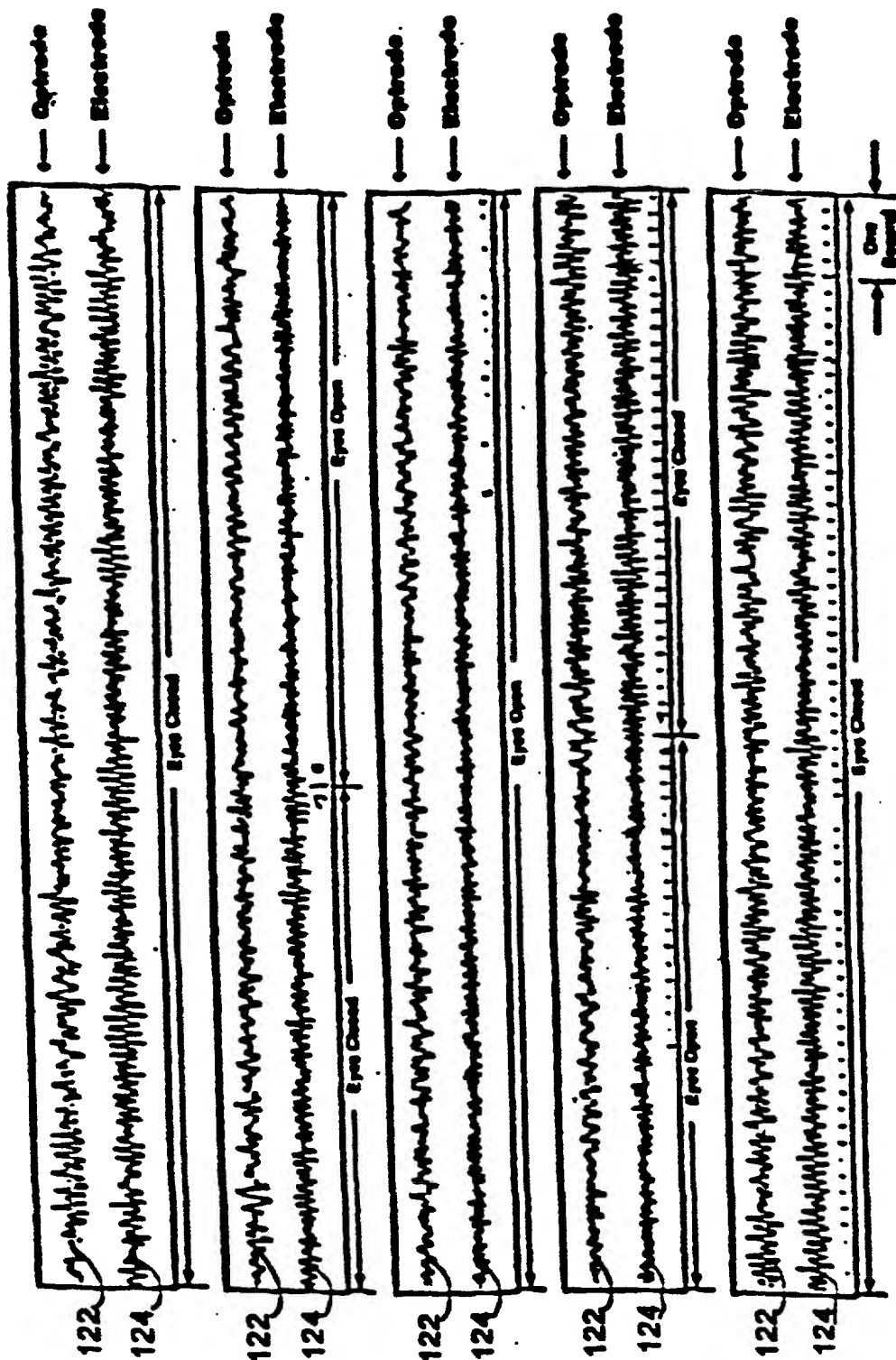


Fig. 32